

ArcelorMittal Burns Harbor, LLC.
Flat Carbon Steel



ArcelorMittal

RECEIVED

OCT 12 2018

WATER ENFORCEMENT & COMPLIANCE
ASSURANCE BRANCH, EPA, REGION 5

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch
Water Division (WC-15J)
United States Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

October 9, 2018
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1
Dewatering Well System, 3rd Quarter 2018
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for July, August, and September, 2018 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan had been extremely low. Recently, the lake has begun to rise. The average level for the quarter was 581.6 feet with a low of 581.3 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells continue to operate properly but several are at depths near their screens and cannot be adjusted lower. Some have valves that have been adjusted wide open. As a result, it has not been possible to maintain the depths

ArcelorMittal Burns Harbor, LLC. T +1 219 787 2712
Environmental Mgmt. Dept. F +1 219 787 4973
250 W. U.S. Highway 12 www.arcelomittal.com
Burns Harbor, IN 46304
USA



ArcelorMittal

specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified until September. Several of the piezometers are now sporadically operating at the levels required by the Decree. However, there is a limit to the level that the wells can operate without damaging the screens or the pumps, and for many of the wells, we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel
Environmental Management Department

Attachments

cc: S. Choi, USEPA

ArcelorMittal Burns Harbor, LLC. T +1 219 787 2712
Environmental Mgmt. Dept. F +1 219 787 4973
250 W. U.S. Highway 12 www.arcelormittal.com
Burns Harbor, IN 46304
USA

October 9, 2018
Ref: PJ/RA/DW

Attachment 1
ArcelorMittal Burns Harbor, LLC
Nitrogen Ammonia Analytical Report
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
07/27/2018	8.8
08/22/2018	7.0
09/25/2018	8.5

Attachment 2
ArcelorMittal Burns Harbor LLC
Dewatering Well Flow

<u>Date</u>	<u>Flow TGD</u>	<u>Date</u>	<u>Flow TGD</u>	<u>Date</u>	<u>Flow TGD</u>
01-Jul-18	421	01-Aug-18	377	01-Sep-18	417
02-Jul-18	415	02-Aug-18	387	02-Sep-18	454
03-Jul-18	413	03-Aug-18	389	03-Sep-18	458
04-Jul-18	410	04-Aug-18	393	04-Sep-18	414
05-Jul-18	424	05-Aug-18	386	05-Sep-18	415
06-Jul-18	409	06-Aug-18	392	06-Sep-18	417
07-Jul-18	410	07-Aug-18	210	07-Sep-18	406
08-Jul-18	402	08-Aug-18	426	08-Sep-18	395
09-Jul-18	401	09-Aug-18	431	09-Sep-18	391
10-Jul-18	425	10-Aug-18	434	10-Sep-18	389
11-Jul-18	419	11-Aug-18	432	11-Sep-18	387
12-Jul-18	397	12-Aug-18	427	12-Sep-18	385
13-Jul-18	351	13-Aug-18	424	13-Sep-18	340
14-Jul-18	349	14-Aug-18	424	14-Sep-18	405
15-Jul-18	349	15-Aug-18	423	15-Sep-18	416
16-Jul-18	349	16-Aug-18	420	16-Sep-18	409
17-Jul-18	348	17-Aug-18	419	17-Sep-18	409
18-Jul-18	431	18-Aug-18	414	18-Sep-18	401
19-Jul-18	424	19-Aug-18	413	19-Sep-18	401
20-Jul-18	372	20-Aug-18	411	20-Sep-18	409
21-Jul-18	289	21-Aug-18	415	21-Sep-18	403
22-Jul-18	277	22-Aug-18	413	22-Sep-18	405
23-Jul-18	277	23-Aug-18	393	23-Sep-18	405
24-Jul-18	277	24-Aug-18	429	24-Sep-18	413
25-Jul-18	274	25-Aug-18	424	25-Sep-18	400
26-Jul-18	312	26-Aug-18	426	26-Sep-18	403
27-Jul-18	387	27-Aug-18	419	27-Sep-18	402
28-Jul-18	385	28-Aug-18	418	28-Sep-18	402
29-Jul-18	387	29-Aug-18	417	29-Sep-18	404
30-Jul-18	383	30-Aug-18	418	30-Sep-18	403
31-Jul-18	378	31-Aug-18	417		

TDG* - Thousand gallons per day



ArcelorMittal

Consent Decree – Case No. 2:96-CV-96-RL-1
Dewatering Well System Monitoring, 3rd Quarter 2018
ArcelorMittal Burns Harbor, LLC

Attachment 3 – Dewatering Well Status Reports

ArcelorMittal Burns Harbor, LLC. T +1 219 787 2712
Environmental Mgmt. Dept. F +1 219 787 4973
250 W. U.S. Highway 12 www.arcelormittal.com
Burns Harbor, IN 46304
USA

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report



Observations by: P. Kostro
Weaver Consultants Group, LLC

Date: 7/5/2018 Time: 8:00 AM Barometric Pressure: 30.29 (in Hg) Temperature (F): 74.0
 Staff Gauge (002) Elevation: 581.90 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.31	573.01	45			17,595
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.79	572.12	41			11,361
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	21.22	574.91	42			521,286
P-513	592.81		X	#VALUE!		21.3	571.54	
DW-4	596.28	23.0	22.41	573.87	44			46,051
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	22.68	573.48	37			42,473
P-515	592.65		X	#VALUE!		22.2	570.46	
DW-6	596.46	24.0	23.51	572.95	72			50,517
P-516	596.30		11.88	584.42		31.2	565.12	
DW-7	596.39	25.0	24.22	572.17	34			51,106
P-517	596.55		11.93	584.62		29.6	566.93	
DW-8	596.21	24.5	23.58	572.63	28			47,051
P-518	596.17		11.11	585.06		30.5	565.66	
DW-9	596.16	24.5	12.21	583.95	43			6,050
P-519	596.55		11.56	585.00		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.15	573.32	41			77,766
P-520	595.93		10.46	585.47		30.26	565.67	
DW-11	595.82	25.7	21.42	574.40	28			210,101
P-521	596.19		10.56	585.63		33.36	562.83	
DW-12	595.28	26.5	25.14	570.14	32			6,070
P-522	595.17		8.66	586.51		32.9	562.28	
DW-13	594.83	27.0	26.87	567.96	26			21,849
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.58	569.25	41			135,203
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	19.59	575.03	35			77,625
P-524	591.55		3.69	587.86		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	31.39	563.42	34			29,113

Remarks: DW-1, DW-4, DW-8 and DW-10 were adjusted up due to low initial water levels.
 DW-2, DW-6, DW-8 and DW-14 were adjusted down due to low initial water levels.
 DW-5, DW-9 and DW-11 flow valves were stuck and could not be adjusted.
 DW-12, DW-15 and DW-16 flow valves were wide open.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wcgrp.com

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report



Observations by: P. Kosiro
Weaver Consultants Group, LLC

Date: 7/12/2018 Time: 8:00 AM Barometric Pressure: 30.29 (in Hg) Temperature (F): 75.0
 Staff Gauge (002) Elevation: 581.70 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.91	572.56	42		565.67	81,962
P-520	595.93		10.43	585.50		30.26		
DW-11	595.82	25.7	20.67	575.15	30		562.83	213,228
P-521	596.19		10.72	585.47		33.36		
DW-12	595.28	26.5	27.96	567.32	34		562.28	9,126
P-522	595.17		9.21	585.96		32.9		
DW-13	594.83	27.0	26.89	567.94	24		#VALUE!	22,922
P-523	592.04		D	#VALUE!		D		
DW-14	594.83	26.5	26.44	568.39	40		#VALUE!	137,411
P-507	591.38		D	#VALUE!		D		
DW-15	594.62	29.5	25.33	568.79	31		556.64	79,024
P-524	591.55		3.97	587.58		34.91		
P-508	591.37		D	#VALUE!		D		
DW-16	594.81	36.0	35.94	558.87	31		#VALUE!	29,818

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.18	573.14	45		568.21	18,537
P-511	592.29		F	#VALUE!		X		
DW-2	595.91	24.0	23.25	572.66	38		568.21	11,846
P-512	593.16		X	#VALUE!		25.0		
DW-3	596.13	22.0	20.27	575.86	44		571.54	523,667
P-513	592.81		X	#VALUE!		21.3		
DW-4	596.28	23.0	22.86	573.42	42		#VALUE!	46,213
P-514	592.80		X	#VALUE!		X		
DW-5	596.16	21.0	20.02	576.14	41		570.46	45,232
P-515	592.65		X	#VALUE!		22.2		
DW-6	596.46	24.0	23.73	572.73	71		565.12	53,744
P-516	596.30		12.21	584.09		31.2		
DW-7	596.39	25.0	13.11	583.28	25		566.93	54,671
P-517	596.55		12.22	584.33		29.6		
DW-8	596.21	24.5	24.48	571.73	28		565.66	49,940
P-518	596.17		11.26	584.91		30.5		
DW-9	596.16	24.5	12.33	583.83	43		565.33	6,513
P-519	596.56		11.61	584.95		31.2		

Remarks	DW-1 was adjusted down due to high initial water levels.
	DW-4, DW-5, DW-6, DW-8, DW-10, DW-14 and DW-16 were adjusted up due to low initial water levels.
	DW-3, DW-9, DW-11, DW-12 and DW-15 flow valves were stuck and could not be adjusted.
	DW-7 flow valve was wide open.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wccrp.com

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report



Observations by: P. Kostro
Weaver Consultants Group, LLC

Date: 7/19/2018 Time: 8:30 AM Barometric Pressure: 30.72 (in Hg) Temperature (F): 71.0
 Staff Gauge (002) Elevation: 581.60 (Ft., MSL) Weather Conditions: Sunny Wind Direction: NNW

Well/ Piezo No.	Well/ Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/ Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.47	573.00	43			86,219
P-520	595.93		10.47	585.46		30.26	565.67	
DW-11	595.82	25.7	20.71	575.11	29			216,420
P-521	596.19		10.84	585.35		33.36	562.83	
DW-12	595.28	26.5	27.91	567.37	28			12,416
P-522	595.17		9.22	585.95		32.9	562.28	
DW-13	594.83	27.0	26.91	567.92	22			23,693
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.51	569.32	40			139,353
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	26.48	568.14	30			80,593
P-524	591.55		4.18	587.37		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	37.64	557.17	27			30,572

Well/ Piezo No.	Well/ Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/ Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.08	573.24	42			19,682
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.02	572.89	38			12,386
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	20.57	575.56	44			526,164
P-513	592.81		X	#VALUE!		21.3	571.54	
DW-4	596.28	23.0	22.04	574.24	45			48,738
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	19.58	576.58	42			46,994
P-515	592.65		X	#VALUE!		22.2	570.46	
DW-6	596.46	24.0	23.72	572.74	72			56,827
P-516	595.30		11.86	584.44		31.2	565.12	
DW-7	596.39	25.0	24.95	571.44	35			55,825
P-517	596.55		12.01	584.54		29.6	566.93	
DW-8	596.21	24.5	24.40	571.81	28			53,083
P-518	596.17		11.11	585.06		30.5	565.66	
DW-9	596.16	24.5	12.04	584.12	43			6,922
P-519	596.56		11.51	585.05		31.2	565.33	

Remarks DW-1, DW-2, DW-4, DW-6, DW-7, DW-8 and DW-14 were adjusted up due to low initial water levels.
 DW-5 and DW-13 were adjusted down due to high initial water levels.
 DW-3, DW-9, DW-11, DW-12 and DW-15 flow valves were stuck and could not be adjusted.
 DW-7, DW-13 and DW-16 were offline upon arrival and successfully restarted.
 DW-16 flow valve closed all the way.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wcgrp.com

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report



Observations by: P. Kostro
Weaver Consultants Group, LLC

Date: 7/26/2018 Time: 8:00 AM Barometric Pressure: 29.14 (in Hg) Temperature (F): 72o
Staff Gauge (002) Elevation: 581.60 (Ft., MSL) Weather Conditions: Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.56	572.76	46			20,622
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.98	571.93	38		568.21	12,987
P-512	593.16		X	#VALUE!		25.0		
DW-3	596.13	22.0	18.36	577.77	46		571.54	528,642
P-513	592.81		X	#VALUE!		21.3		
DW-4	596.28	23.0	22.99	573.29	38			49,296
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	19.81	576.35	33		570.46	47,454
P-515	592.65		X	#VALUE!		22.2		
DW-6	596.46	24.0	23.99	572.47	74		565.12	59,967
P-516	596.30		9.81	586.49		31.2		56,583
DW-7	596.39	25.0	24.02	572.37	34		566.93	
P-517	596.55		9.71	586.84		29.6		53,709
DW-8	596.21	24.5	23.52	572.69	28		565.66	
P-518	596.17		9.43	586.74		30.5		7,030
DW-9	596.16	24.5	9.62	586.54	30			
P-519	596.56		10.48	586.08		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.01	573.46	47			90,559
P-520	595.93		10.06	585.87		30.26	565.67	
DW-11	595.82	25.7	18.83	576.99	31			219,694
P-521	596.19		10.72	585.47		33.36	562.83	
DW-12	595.28	26.5	27.92	567.36	34			15,763
P-522	595.17		9.38	585.79		32.9	562.28	
DW-13	594.83	27.0	26.91	567.92	24			24,777
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	26.47	568.36	45			141,353
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	24.06	570.56	33			82,282
P-524	591.55		4.18	587.37		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	35.92	558.89	33			31,354

Remarks DW-1, DW-2, DW-4, DW-5, DW-6, DW-7, DW-8, DW-10 and DW-14 were adjusted down to high initial water levels.
DW-16 was adjusted up due to low initial water levels.
DW-3, DW-9, DW-11, DW-12 and DW-15 flow valves were stuck and could not be adjusted.
DW-4, DW-5, DW-7, DW-8 and DW-9 were offline upon arrival and successfully restarted.
DW-9 was shut down after restart due to ground surface flooding in the immediate area of the recovery well.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
DTB=Depth to Bottom Granger, IN 46530 estefanek@wvgrp.com



Weaver Consultants Group

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report

Observations by: J. Slough
Weaver Consultants Group, LLC

Date: 8/2/2018 Time: 8:30 AM Barometric Pressure: 29.99 (in Hg) Temperature (F): 70o
Staff Gauge (002) Elevation: 581.30 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.92	572.40	50			20,947
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.29	572.62	38			13,636
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	21.12	575.01	46			530,738
P-513	592.81		7.28	585.53		21.3	571.54	
DW-4	596.28	23.0	22.71	573.57	46			52,060
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	20.49	575.67	41			50,164
P-515	592.65		X	#VALUE!		22.2	570.46	
DW-6	596.46	24.0	23.80	572.66	72			63,857
P-516	596.30		11.61	584.69		31.2	565.12	
DW-7	596.39	25.0	24.43	571.96	34			60,267
P-517	596.55		11.56	584.99		29.6	566.93	
DW-8	596.21	24.5	23.75	572.46	30			57,653
P-518	596.17		10.45	585.72		30.5	565.66	
DW-9	596.16	24.5	10.21	585.95	0			7,037
P-519	596.56		10.94	585.62		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.11	573.36	43			95,032
P-520	595.93		10.23	585.70		30.26	565.67	
DW-11	595.82	25.7	24.71	571.11	32			222,528
P-521	596.19		10.79	585.40		33.36	562.83	
DW-12	595.28	26.5	26.19	569.09	34			9,236
P-522	595.17		9.43	585.74		32.9	562.28	
DW-13	594.83	27.0	26.90	567.93	24			25,767
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.64	569.19	42			143,174
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	23.82	570.80	34			83,790
P-524	591.55		4.15	587.40		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	35.75	559.06	34			32,090

Remarks
DW-1, DW-3 and DW-11 were adjusted down to high initial water levels.
DW-2, DW-4, DW-5, DW-6, DW-8 and DW-12 were adjusted up due to low initial water levels.
DW-9 was undergoing repairs.
DW-15 flow valve was wide open.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
DTB=Depth to Bottom Granger, IN 46530 estefanek@wccgrp.com

Observations by: P. Kostro
Weaver Consultants Group, LLC

Date: 8/9/2018 Time: 9:00 AM Barometric Pressure: 29.95 (in Hg) Temperature (F): 75.0
 Staff Gauge (002) Elevation: 581.30 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.98	572.34	49			21,870
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.99	571.92	42			13,916
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	21.18	574.95	38			533,915
P-513	592.81		X	#VALUE!		21.3	571.54	
DW-4	596.28	23.0	22.03	574.25	46			54,959
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	20.19	575.97	41			52,550
P-515	592.65		X	#VALUE!		22.2	570.46	
DW-6	596.46	24.0	23.38	573.08	72			67,076
P-516	596.30		11.70	584.60		31.2	565.12	
DW-7	596.39	25.0	24.38	572.01	25			63,705
P-517	596.55		11.73	584.82		29.6	566.93	
DW-8	596.21	24.5	24.41	571.80	24			60,803
P-518	596.17		10.89	585.28		30.5	565.66	
DW-9	596.16	24.5	12.81	583.35	42			7,160
P-519	596.56		11.28	585.28		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.24	573.23	42			99,180
P-520	595.93		10.41	585.52		30.26	565.67	
DW-11	595.82	25.7	22.11	573.71	29			226,461
P-521	596.19		10.81	585.38		33.36	562.83	
DW-12	595.28	26.5	26.01	569.27	35			22,288
P-522	595.17		9.28	585.89		32.9	562.28	
DW-13	594.83	27.0	26.91	567.92	24			26,770
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.84	568.99	41			144,833
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	23.92	570.70	34			85,169
P-524	591.55		4.14	587.41		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	32.75	562.06	33			32,594

Remarks
 DW-1, DW-2, DW-12 and DW-16 were adjusted down to high initial water levels.
 DW-4, DW-5, DW-6 and DW-8 were adjusted up due to low initial water levels.
 DW-2 and DW-16 were offline upon arrival, maintenance fixed electrical wiring and wells were operational upon departure.
 DW-9 was undergoing repairs.
 DW-11, DW-15 and DW-16 flow valves were wide open.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wcgrp.com

STATUS REPORT
 Mittal Steel USA
 Burns Harbor
 East Harbor Arm - Dewatering Report
 Weekly Status Report



Observations by: P. Kostro
 Weaver Consultants Group, LLC

Date: 8/16/2018 Time: 8:15 AM Barometric Pressure: 29.94 (in Hg) Temperature (F): 70o
 Staff Gauge (002) Elevation: 581.50 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.91	572.41	45			23,085
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.01	572.90	38		568.21	14,458
P-512	593.16		X	#VALUE!		25.0		
DW-3	596.13	22.0	21.13	575.00	40			537,087
P-513	592.81		X	#VALUE!		21.3	571.54	
DW-4	596.28	23.0	22.71	573.57	46			57,539
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	19.81	576.35	42		570.46	54,958
P-515	592.65		X	#VALUE!		22.2		
DW-6	596.46	24.0	23.28	573.18	72			69,963
P-516	596.30		12.23	584.07		31.2	565.12	
DW-7	596.39	25.0	24.64	571.75	27		566.93	67,304
P-517	596.55		12.38	584.17		29.6		
DW-8	596.21	24.5	23.51	572.70	28			64,131
P-518	596.17		11.52	584.65		30.5	565.66	
DW-9	596.16	24.5	12.74	583.42	42			7,719
P-519	596.56		11.88	584.68		31.2	565.33	

Remarks	DW-1 and DW-8 were adjusted up due to low initial water levels.
	DW-2, DW-4 and DW-14 were adjusted down due to high initial water levels.
	DW-9 was undergoing repairs.
	DW-11, DW-15 and DW-16 flow valves were wide open.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wcgrp.com

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report



Observations by: P. Kostro
Weaver Consultants Group, LLC

Date: 8/23/2018 Time: 11:25 AM Barometric Pressure: 0.00 (in Hg) Temperature (F): 79.0
 Staff Gauge (002) Elevation: 581.40 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.89	572.43	48			24,231
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.55	572.36	38			15,004
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	21.18	574.95	40			540,305
P-513	592.81		X	#VALUE!		21.3	571.54	
DW-4	595.28	23.0	22.08	574.20	46			60,268
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	19.58	576.58	41			57,258
P-515	592.65		X	#VALUE!		22.2	570.46	
DW-6	596.46	24.0	23.11	573.35	72			72,802
P-516	595.30		11.41	584.89		31.2	565.12	
DW-7	596.39	25.0	24.02	572.37	28			70,938
P-517	596.55		11.48	585.07		29.6	566.93	
DW-8	596.21	24.5	23.52	572.69	29			67,111
P-518	596.17		10.65	585.52		30.5	565.66	
DW-9	596.16	24.5	12.44	583.72	42			8,299
P-519	596.56		11.10	585.46		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.42	573.05	42			107,854
P-520	595.93		10.22	585.71		30.26	565.67	
DW-11	595.82	25.7	23.90	571.92	29			234,799
P-521	596.19		10.58	585.61		33.36	562.83	
DW-12	595.28	26.5	25.59	569.69	33			28,854
P-522	595.17		8.83	586.34		32.9	562.28	
DW-13	594.83	27.0	26.89	567.94	23			28,904
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.62	569.21	43			148,291
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	27.79	566.83	31			88,049
P-524	591.55		3.33	588.22		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	35.44	559.37	30			33,447

Remarks: DW-1 was adjusted down due to high initial water levels.
 DW-2, DW-4, DW-5, DW-6, DW-7, DW-8, DW-10, DW-12, DW-14 and DW-16 were adjusted up due to down initial water levels.
 DW-9 was undergoing repairs.
 DW-11 was stuck and DW-15 was wide open.
 All wells were offline upon arrival.

Key: TOC=Top of Casing, north side
 DTW=Depth to Water
 DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
 7121 Grape Road
 Granger, IN 46530
 (574) 271-3447 Tel.
 (574) 271-3343 Fax.
 estefanek@wcgrp.com



**Weaver
Consultants
Group**

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report

Observations by: P. Kostro
Weaver Consultants Group, LLC

Date: 8/30/2018 Time: 6:30 AM Barometric Pressure: 30.19 (in Hg) Temperature (F): 54.0
 Staff Gauge (002) Elevation: 581.50 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NNW

Well/ Piezo No.	Well/ Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/ Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.48	572.84	47			25,327
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.99	571.92	38		568.21	15,561
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	21.09	575.04	40			543,452
P-513	592.81		X	#VALUE!		21.3	571.54	
DW-4	595.28	23.0	22.64	573.64	47			63,057
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	20.08	576.08	40			60,199
P-515	592.65		X	#VALUE!		22.2	570.46	
DW-6	596.46	24.0	23.04	573.42	74			75,128
P-516	596.30		11.88	584.42		31.2	565.12	
DW-7	596.39	25.0	24.48	571.91	28			74,414
P-517	596.55		11.98	584.57		29.6	566.93	
DW-8	596.21	24.5	23.53	572.68	29			69,815
P-518	596.17		11.18	584.99		30.5	565.66	
DW-9	596.16	24.5	12.67	583.49	43			8,947
P-519	596.56		11.61	584.95		31.2	565.33	

Remarks	DW-4 and DW-5 were adjusted up due to low initial water levels.
	DW-6, DW-8 and DW-12 were adjusted down due to high initial water levels.
	DW-9 was undergoing repairs.
	DW-11 discharge valve was stuck.
	DW-15 and DW-16 discharge valves were wide open.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wcgrp.com

STATUS REPORT
 Mittal Steel USA
 Burns Harbor
 East Harbor Arm - Dewatering Report
 Weekly Status Report



Observations by: J. Slough
 Weaver Consultants Group, LLC

Date: 9/6/2018 Time: 8:30 AM Barometric Pressure: 30.27 (in Hg) Temperature (F): 67.0
 Staff Gauge (002) Elevation: 581.70 (Ft., MSL) Weather Conditions: Rain Wind Direction: NE 9 MPH

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.75	572.57	44			26,546
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	596.91	24.0	23.88	572.03	40		568.21	16,118
P-512	593.16		X	#VALUE!		25.0		
DW-3	596.13	22.0	21.28	574.85	40		571.54	546,718
P-513	592.81		X	#VALUE!		21.3		
DW-4	596.28	23.0	22.88	573.40	46			65,923
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	19.53	576.63	42		570.46	62,675
P-515	592.65		X	#VALUE!		22.2		
DW-6	596.46	24.0	23.52	572.94	72		565.12	78,013
P-516	596.30		12.21	584.09		31.2		78,134
DW-7	596.39	25.0	24.58	571.81	28		566.93	
P-517	596.55		12.29	584.26		29.6		72,865
DW-8	596.21	24.5	23.62	572.59	30		565.66	
P-518	596.17		11.48	584.69		30.5		9,591
DW-9	596.16	24.5	12.85	583.31	42			
P-519	596.56		11.89	584.67		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.58	572.89	46			116,846
P-520	595.93		10.83	585.10		30.26	565.67	
DW-11	595.82	25.7	21.62	574.20	31		562.83	244,072
P-521	596.19		11.11	585.08		33.36		
DW-12	595.28	26.5	25.52	569.76	36		562.28	35,334
P-522	595.17		9.35	585.82		32.9		
DW-13	594.83	27.0	26.81	568.02	30			30,994
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.64	569.19	45			151,627
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	23.64	570.98	35		556.64	90,809
P-524	591.55		3.85	587.70		34.91		
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	35.01	559.80	35			34,809

Remarks
 DW-1 was adjusted up due to low initial water levels.
 DW-2, DW-6, DW-8, DW-10 and DW-16 were adjusted down due to high initial water levels.
 DW-9 & DW-11 discharge valves were stuck.
 DW-15 discharge valve is wide open.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wcgrp.com

Observations by: J. Slough
Weaver Consultants Group, LLC

Date: 9/14/2018 Time: 8:30 AM Barometric Pressure: 30.17 (in Hg) Temperature (F): 65o
 Staff Gauge (002) Elevation: 581.50 (Ft., MSL) Weather Conditions: Mostly Sunny Wind Direction: NE 9 MPH

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.98	572.34	52			27,296
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	23.21	572.70	36			16,843
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	21.25	574.88	42			550,311
P-513	592.81		8.20	584.61		21.3	571.54	
DW-4	596.28	23.0	22.85	573.43	45			69,100
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	20.35	575.81	42			65,235
P-515	592.65		8.66	583.99		22.2	570.46	
DW-6	596.46	24.0	23.75	572.71	70			81,597
P-516	596.30		12.46	583.84		31.2	565.12	
DW-7	596.39	25.0	24.89	571.50	30			82,324
P-517	596.55		12.53	584.02		29.6	566.93	
DW-8	596.21	24.5	23.52	572.69	29			76,834
P-518	596.17		11.69	584.48		30.5	565.66	
DW-9	596.16	24.5	14.82	581.34	44			10,201
P-519	596.56		11.96	584.60		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.02	573.45	42			122,124
P-520	595.93		10.61	585.32		30.26	565.67	
DW-11	595.82	25.7	20.95	574.87	33			246,866
P-521	596.19		10.88	585.31		33.36	562.83	
DW-12	595.28	26.5	25.69	569.59	34			39,329
P-522	595.17		9.42	585.75		32.9	562.28	
DW-13	594.83	27.0	26.76	568.07	25			32,150
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.55	569.28	48			153,565
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	23.80	570.82	37			91,836
P-524	591.55		4.02	587.53		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	33.05	561.76	40			35,144

Remarks: DW-1, DW-2, DW-4, DW-6, DW-8 was adjusted up due to low initial water levels.
 DW-12 and DW-14 were adjusted down due to high initial water levels.
 DW-11 and DW-16 were adjusted down due to high initial water levels; however, attempts were unsuccessful due to the discharge valves being stuck.
 DW-9 and DW-15 were adjusted down due to high initial water levels; however, attempts were unsuccessful due to the discharge valves being wide open and all the way to the left.

Key: TOC=Top of Casing, north side
 DTW=Depth to Water
 DTB=Depth to Bottom

Contact: Edward Stefanek, Senior Project Manager
 7121 Grape Road
 Granger, IN 46530
 (574) 271-3447 Tel.
 (574) 271-3343 Fax.
 estefanek@wgrp.com



Weaver Consultants Group

STATUS REPORT
Mittal Steel USA
Burns Harbor
East Harbor Arm - Dewatering Report
Weekly Status Report

Observations by: P. Kostro
Weaver Consultants Group, LLC

Date: 9/20/2018 Time: 9:15 AM Barometric Pressure: 29.94 (in Hg) Temperature (F): 75.0
 Staff Gauge (002) Elevation: 581.80 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NE 9 MPH

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.36	572.96	46			28.237
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	9.15	586.76	25		568.21	17.176
P-512	593.16		X	#VALUE!		25.0	568.21	
DW-3	596.13	22.0	21.21	574.92	42			553.172
P-513	592.81		8.32	584.49		21.3	571.54	
DW-4	596.28	23.0	22.76	573.52	46			71.243
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	19.60	576.56	42			67.257
P-515	592.65		8.72	583.93		22.2	570.46	
DW-6	596.46	24.0	23.92	572.54	72			84.216
P-516	596.30		12.50	583.80		31.2	565.12	
DW-7	596.39	25.0	24.51	571.88	30			85.426
P-517	596.55		12.72	583.83		29.6	566.93	
DW-8	596.21	24.5	23.64	572.57	30			79.663
P-518	596.17		12.00	584.17		30.5	565.66	
DW-9	596.16	24.5	15.25	580.91	42			11.316
P-519	596.56		11.96	584.60		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.19	573.28	44			126.063
P-520	595.93		11.08	584.85		30.26	565.67	
DW-11	595.82	25.7	21.66	574.16	30			250.575
P-521	596.19		11.29	584.90		33.36	562.83	
DW-12	595.28	26.5	26.05	569.23	35			42.263
P-522	595.17		9.54	585.63		32.9	562.28	
DW-13	594.83	27.0	26.68	568.15	25			33.016
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	26.40	568.43	45			154.953
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	23.88	570.74	34			92.868
P-524	591.55		4.18	587.37		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	32.89	561.92	32			35.669

Remarks: DW-4 and DW-12 were adjusted down due to high initial water levels. DW-8 and DW-14 were adjusted up due to low initial water levels.
 DW-2 was offline and could not be restarted.
 DW-9, DW-15 and 16 were adjusted down due to high initial water levels; however, attempts were unsuccessful due to the discharge valves being wide open and all the way to the left.
 DW-11 was adjusted down due to high initial water levels; however, attempts were unsuccessful due to the discharge valve being stuck.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46630 esterfanek@wccgrp.com

STATUS REPORT

Mittal Steel USA
Burns Harbor

East Harbor Arm - Dewatering Report
Weekly Status Report

Observations by: P. Kostro
Weaver Consultants Group, LLC



Date: 9/28/2018 Time: 9:30 AM Barometric Pressure: 30.10 (in Hg) Temperature (F): 64.0
 Staff Gauge (002) Elevation: 581.40 (Ft., MSL) Weather Conditions: Partly Cloudy Wind Direction: NE 9 MPH

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-1	596.32	24.0	23.29	573.03	48			29,481
P-511	592.29		F	#VALUE!		X	#VALUE!	
DW-2	595.91	24.0	9.04	586.87	25		568.21	17,205
P-512	593.15		X	#VALUE!		25.0		
DW-3	596.13	22.0	21.32	574.81	40		571.54	557,017
P-513	592.81		8.25	584.56		21.3		
DW-4	596.28	23.0	22.97	573.31	46			74,517
P-514	592.80		X	#VALUE!		X	#VALUE!	
DW-5	596.16	21.0	20.48	575.68	43		570.46	69,844
P-515	592.65		12.52	580.13		22.2		
DW-6	596.46	24.0	23.26	573.20	72			87,621
P-516	596.30		12.47	583.83		31.2	565.12	
DW-7	596.39	25.0	24.61	571.78	30			89,626
P-517	596.55		12.65	583.90		29.6	566.93	
DW-8	596.21	24.5	23.51	572.70	30			83,182
P-518	596.17		12.02	584.15		30.5	565.66	
DW-9	596.16	24.5	15.55	580.61	42			12,838
P-519	596.56		11.96	584.60		31.2	565.33	

Well/ Piezo No.	Well/Piezo TOC Elev.	Depth to T/Screen (feet)	DTW (TOC) (feet)	Well/Piezo Water Elev.	Gauge Pres. (PSI)	DTB Piezo (feet)	Piezo Bottom Elevation	Flow Reading (100 gal)
DW-10	596.47	24.0	23.02	573.45	45			131,302
P-520	595.93		11.23	584.70		30.26	565.67	
DW-11	595.82	25.7	21.52	574.30	31			255,661
P-521	596.19		11.42	584.77		33.36	562.83	
DW-12	595.28	26.5	25.57	569.71	38			46,250
P-522	595.17		9.62	585.55		32.9	562.28	
DW-13	594.83	27.0	26.84	567.99	26			34,141
P-523	592.04		D	#VALUE!		D	#VALUE!	
DW-14	594.83	26.5	25.52	569.31	45			156,823
P-507	591.38		D	#VALUE!		D	#VALUE!	
DW-15	594.62	29.5	23.54	571.08	35			94,287
P-524	591.55		4.11	587.44		34.91	556.64	
P-508	591.37		D	#VALUE!		D	#VALUE!	
DW-16	594.81	36.0	33.77	561.04	33			36,382

Remarks
DW-5 was adjusted down due to high initial water levels.
DW-2 was offline and could not be restarted.
DW-11 was adjusted down due to high initial water levels; however, attempts were unsuccessful due to the discharge valve being stuck.
DW-9, DW-15 and 16 were adjusted down due to high initial water levels; however, attempts were unsuccessful due to the discharge valves being wide open and all the way to the left.

Key: TOC=Top of Casing, north side Contact: Edward Stefanek, Senior Project Manager (574) 271-3447 Tel.
 DTW=Depth to Water 7121 Grape Road (574) 271-3343 Fax.
 DTB=Depth to Bottom Granger, IN 46530 estefanek@wcgrp.com